

Converting Colors

CIELCh(89, 13.642, 209.629)

Have a look what the booklet for
CIELCh(89, 13.642, 209.629)
contains.

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Color

CIELCh(89, 13.642, 209.629)

Conversions

Conversions Part 1

Format	Color
Hex	BFE7EC
RGB	191, 231, 236
RGB Percent	75%, 91%, 93%
CMY	0.2516, 0.0947, 0.0751
CMYK	0.19, 0.02, 0.00, 0.08
HSL	187°, 54%, 84%
HSV	187°, 19%, 92%
XYZ	65.0939, 74.1641, 90.1177
YIQ	219.6100, -25.4450, -6.9250

Conversions

Conversions Part 2

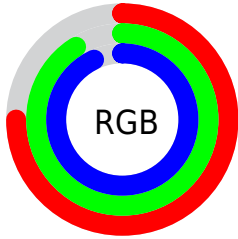
Format	Color
R_{YB}	191, 212, 236
Decimal	12576748
CIE _{Lab}	89.00, -11.86, -6.74
CIE _{LCh}	89, 13.642, 209.629
Y _{xy}	74.1641, 0.2838, 0.3233
Android (android.graphics.Color)	4290766828 (0xFFBFE7EC)
YUV	219.6100, 8.0803, -25.0910
Hunter-Lab	86.1186, -15.7859, -1.7602

Details

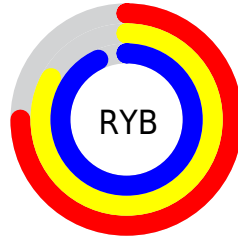
The CIELCh color **89, 13.642, 209.629** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82, 15.538, 30.228**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 2.426, 199.524**, and **69, 13.455, 210.232** is the 20% darker color. If you saturate the color by 10%, you get **87, 20.062, 209.689**, and if you desaturate by 10%, it is **91, 6.685, 209.706**.

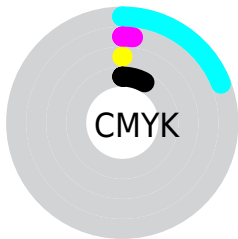
Distribution



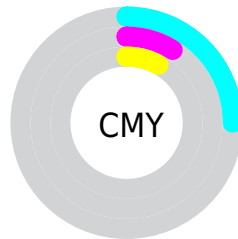
- Red (75%)
- Green (91%)
- Blue (93%)



- Red (75%)
- Yellow (83%)
- Blue (93%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)




- Cyan (25%)
- Magenta (9%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 13.642, 209.629 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 89, 13.642, 209.629 by changing the saturation by 10% instead.


 89, 13.642,
209.629


 89, 13.642,
209.629


 100, 13.642,
209.629


 79, 13.642,
209.629

 69, 13.642,
209.629

 59, 13.642,
209.629

 49, 13.642,
209.629

 39, 13.642,
209.629

 29, 13.642,
209.629

 19, 13.642,

209.629

■ 9, 13.642, 209.629

■ 0, 13.642, 209.629

■ 89, 13.642,
209.629

■ 89, 13.642,
209.629

■ 87, 20.062,
209.689

■ 91, 6.685, 209.706

■ 85, 25.822,
209.912

■ 94, 0.695, 28.835

■ 96, 6.031, 33.691

■ 83, 30.798,
210.323

■ 96, 5.642, 49.263

■ 82, 34.883,
210.958

■ 97, 5.712, 65.705

■ 97, 6.222, 80.544

■ 80, 38.001,

211.863

98, 7.076, 92.439

79, 40.124,
213.083

99, 8.165, 101.444

78, 41.293,
214.663

99, 9.406, 108.179

77, 41.681,
216.605

77, 41.703,
216.791

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



89, 13.642, 209.629



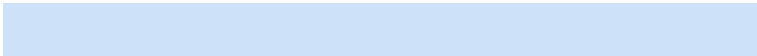
82, 15.538, 30.228

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 13.642, 209.629



89, 13.642, 259.629



89, 13.642, 29.629



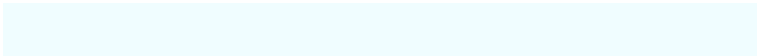
89, 13.642, 79.629

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



89, 13.642, 209.622



98, 4.744, 209.783



89, 26.701, 146.012



52, 3.142, 209.762



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 13.642, 209.622



94, 17.286, 209.631



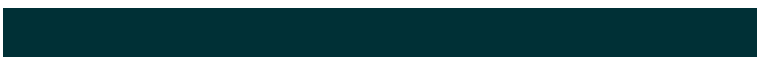
83, 15.328, 268.214



48, 4.161, 209.699



61, 34.252, 216.404



17, 14.841, 213.128

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82, 26.543, 328.722



86, 34.109, 328.965



88, 15.648, 82.934



46, 7.837, 328.138



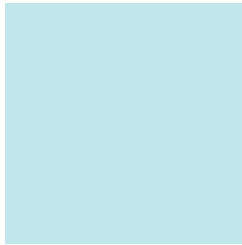
42, 81.922, 333.204



9, 35.528, 332.400

Previews

White Background



This preview shows how the CIE LCh color 89, 13.642, 209.629 looks on a white background.

Color Contrast Check

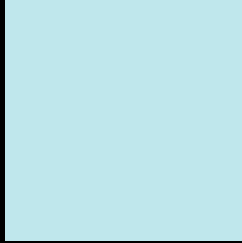
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 89, 13.642, 209.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

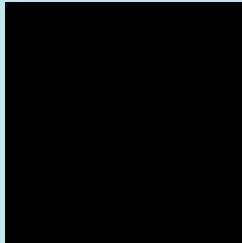
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 13.642, 209.629

Background



This preview shows how black text looks on a background with the CIELCh color 89, 13.642, 209.629.



This preview shows how white text looks on a background with the CIELCh color 89, 13.642, 209.629.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

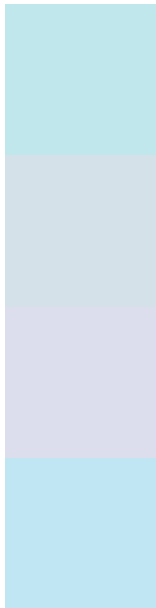
Dichromacy





Tritanopia
89, 14.897, 238.007

Trichromacy



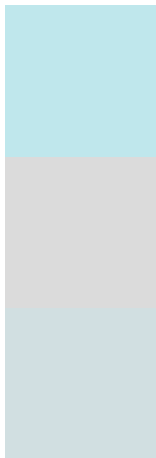
Original Color
89, 13.642, 209.629

Protanomaly
89, 5.494, 240.958

Deuteranomaly
89, 8.363, 286.112

Tritanomaly
89, 14.142, 227.442

Monochromacy



Original Color
89, 13.642, 209.629

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 5.010, 211.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 13.642, 209.629 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(191, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(191, 231, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(191, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 231, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 13.642, 209.629 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 231, 236) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(191, 231, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(191, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(191, 231,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 13.642, 209.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 231, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(191,  
231, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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